

We Claim:

1. An electromagnetic interference (EMI) shielding cage for an electronic module, said shielding cage comprising:
 - a bottom member for mounting to a circuit board;
 - a conductive cover member electrically coupled to said bottom member;
 - 5 first and second conductive exterior sidewalls electrically coupled to the bottom and cover members;
 - at least one interior wall electrically coupled to said bottom and cover members, the interior wall defining at least two distinct, adjacent internal cavities of said cage for receiving electronic modules therein, each of the internal cavities including a distinct opening communicating with the exterior of said cage and through which an electronic module can pass; and,
 - 10 an electrically-conductive, compressible gasket, said gasket encircling said bottom, said cover and said first and second side walls, said gasket electrically and mechanically contacting said front panel and at least one of said bottom and cover members and first and second side walls, to provide an electromagnetic interference seal between said shielding cage and a device in which said cage is mounted.
 - 15
2. The gasketed shielding cage of claim 1, wherein said cover member includes at least one an “L”-shaped, gasket engagement tab, which protrudes above said cover member by a predetermined height H, and which extends toward said conductive gasket.
3. The gasketed shielding cage of claim 1 wherein said bottom is comprised of: an “L”-shaped, gasket engagement tab, which protrudes below said bottom by a predetermined height and which extends toward said conductive gasket.
4. The gasketed shielding cage of claim 4 wherein said “L”-shaped gasket engagement tab is formed by stamping a portion of said cover member.
5. The gasketed shielding cage of claim 4, wherein said “L”-shaped gasket engagement tab is formed by stamping said bottom.

6. The gasketed shielding cage of claim 1, wherein said electrically-conductive, compressible gasket is a compressible foam that is plated with a conductive material;.
7. The gasketed shielding cage of claim 1, further including a rigid gasket backing member interposed between said gasket engagement tab and said conductive gasket.
8. The gasketed shielding cage of claim 1, wherein said engagement tab is formed in said shield proximate to and aligned with said interior wall, whereby said interior wall resists bending during assembly of said gasket to said cage.
9. A gasketed shielding cage for enclosing an electronic module and having a gasket around an opening of the cage for reducing EMI interference, the cage comprising:
 - a plurality of conductive wall members that cooperatively define a hollow receptacle for the module and the wall members further defining an opening with a defined perimeter at an end of said cage into which said module may be inserted;
 - a rigid backing member disposed on said cage proximate said cage opening thereof, the backing member extending completely around said cage opening, said cage wall members including a plurality of support tabs that engage said backing member and support it in its extent around said cage opening; and,
 - a conductive gasket disposed adjacent said backing member and also extending completely around said cage opening, the gasket being compressible such that it may be pushed into contact with an inner surface of a panel of a device in which said shielding cage is disposed.
10. The gasketed shielding cage of claim 9, wherein said rigid backing member is conductive.
11. The gasketed shielding cage of claim 9, wherein said support tabs include a plurality of L-shaped arms that first extend outwardly from said wall members and secondly parallel to said wall members to define L-shaped contact arms having an intervening space between said the contact arms and said wall members, portions of said backing member and said gasket being received within the intervening spaces.

12. The gasketed shielding cage of claim 11, wherein said backing member and said gasket include a plurality of reduced heights portions that are aligned with said contact arms such that said reduced height portions fit into said intervening spaces.
13. The gasketed shielding cage of claim 11, wherein said cage includes a plurality of interior walls defining sub-openings of said cage and said contact arms are aligned with said interior walls.